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L1 STRUCTURE UPLOADED

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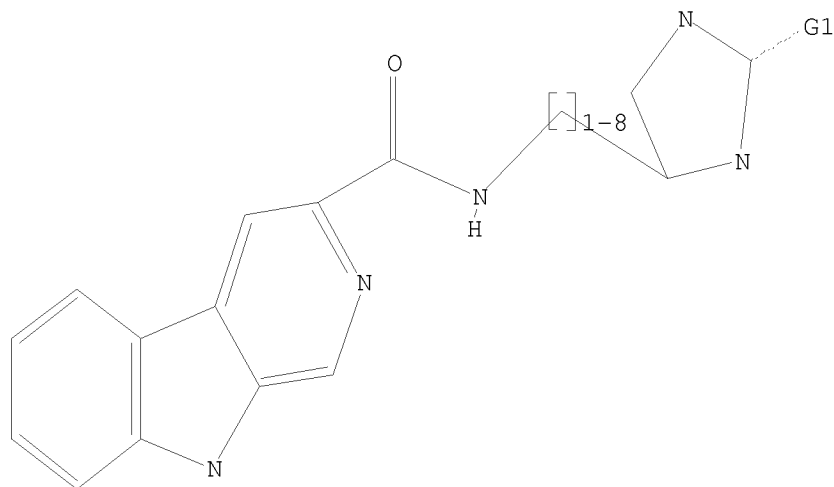
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L2 STRUCTURE UPLOADED

=> d 12

L2 HAS NO ANSWERS

L2 STR



G1 O,N

Structure attributes must be viewed using STN Express query preparation.

=> s 12

SAMPLE SEARCH INITIATED 13:10:12 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 0 TO ITERATE

100.0% PROCESSED 0 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 0 TO 0

PROJECTED ANSWERS: 0 TO 0

L3 0 SEA SSS SAM L2

=> s 12 ful

FULL SEARCH INITIATED 13:10:17 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 35 TO ITERATE

10814777

100.0% PROCESSED            35 ITERATIONS            25 ANSWERS  
SEARCH TIME: 00.00.01

L4                    25 SEA SSS FUL L2

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	178.82	179.03

FILE 'CAPLUS' ENTERED AT 13:10:22 ON 23 SEP 2008  
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FILE COVERS 1907 - 23 Sep 2008 VOL 149 ISS 13  
FILE LAST UPDATED: 22 Sep 2008 (20080922/ED)

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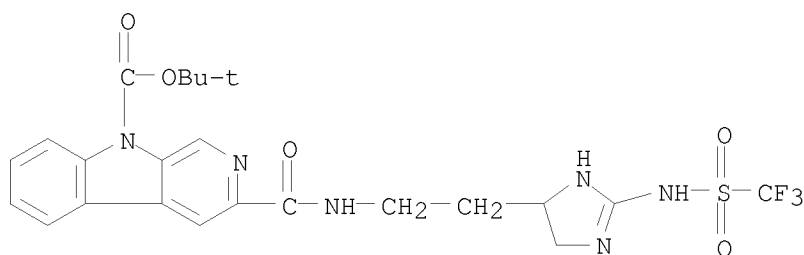
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L5                    3 L4

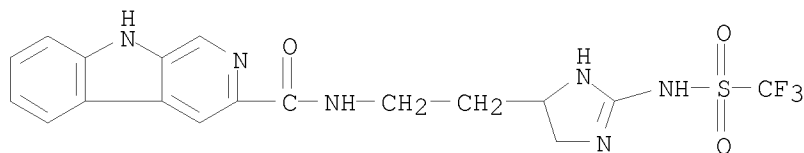
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L5    ANSWER 1 OF 3    CAPLUS    COPYRIGHT 2008 ACS on STN  
AB    A highly selective and efficient deprotection of the N-t-butoxy carbonyl (N-Boc) group on indoles, pyrroles, indazoles, and carbolines was achieved in high yields using a catalytic amount of NaOMe as a base in dry MeOH, at ambient temperature  
AN    2007:330985    CAPLUS  
DN    146:481964  
TI    Simple and selective removal of the t-butyloxycarbonyl (Boc) protecting group on indoles, pyrroles, indazoles, and carbolines  
AU    Ravinder, K.; Reddy, A. Vijender; Mahesh, K. Chinni; Narasimhulu, M.; Venkateswarlu, Y.  
CS    Natural Products Laboratory, Organic Chemistry Division I, Indian Institute of Chemical Technology, Hyderabad, India  
SO    Synthetic Communications (2007), 37(2), 281-287

CODEN: SYNCAV; ISSN: 0039-7911  
PB Taylor & Francis, Inc.  
DT Journal  
LA English  
OS CASREACT 146:481964  
IT 935875-02-8  
RL: RCT (Reactant); RACT (Reactant or reagent)  
(selective removal of t-butyloxycarbonyl protecting group on indoles,  
pyrroles, indazoles, and carbolines using sodium methanolate in  
methanol)  
RN 935875-02-8 CAPLUS  
CN 9H-Pyrido[3,4-b]indole-9-carboxylic acid, 3-[[[2-[4,5-dihydro-2-  
[[trifluoromethyl)sulfonyl]amino]-1H-imidazol-5-yl]ethyl]amino]carbonyl]-  
, 1,1-dimethylethyl ester (CA INDEX NAME)

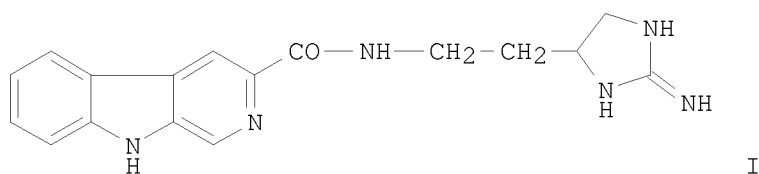


IT 935875-08-4P  
RL: SPN (Synthetic preparation); PREP (Preparation)  
(selective removal of t-butyloxycarbonyl protecting group on indoles,  
pyrroles, indazoles, and carbolines using sodium methanolate in  
methanol)  
RN 935875-08-4 CAPLUS  
CN 9H-Pyrido[3,4-b]indole-3-carboxamide, N-[2-[4,5-dihydro-2-  
[[trifluoromethyl)sulfonyl]amino]-1H-imidazol-5-yl]ethyl]- (CA INDEX  
NAME)



RE.CNT 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2008 ACS on STN  
GI



AB The isolation and synthesis of the racemic form of a novel  $\beta$ -carboline guanidine alkaloid, tiruchanduramine (I), a potent  $\alpha$ -glucosidase inhibitor from the Indian ascidian, *Synoicum macroglossum* has been achieved.

AN 2005:614681 CAPLUS

DN 143:169694

TI Isolation and synthesis of a novel  $\beta$ -carboline guanidine derivative tiruchanduramine from the Indian ascidian *Synoicum macroglossum*

AU Ravinder, K.; Reddy, A. Vijender; Krishnaiah, P.; Ramesh, P.; Ramakrishna, S.; Laatsch, H.; Venkateswarlu, Y.

CS Natural Products Laboratory, Organic Chemistry Division-I, Indian Institute of Chemical Technology, Hyderabad, 500 007, India

SO Tetrahedron Letters (2005), 46(33), 5475-5478  
CODEN: TELEAY; ISSN: 0040-4039

PB Elsevier B.V.

DT Journal

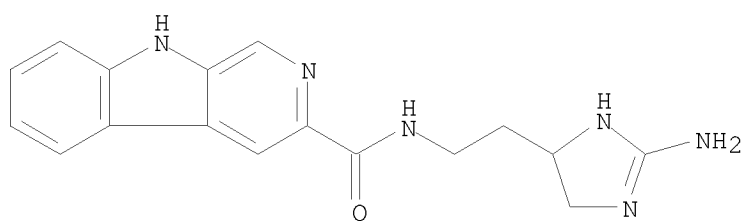
LA English

IT 858343-35-8P, Tiruchanduramine  
RL: BSU (Biological study, unclassified); PRP (Properties); PUR (Purification or recovery); BIOL (Biological study); PREP (Preparation) (isolation and synthesis of a novel  $\beta$ -carboline guanidine derivative tiruchanduramine from the Indian ascidian *Synoicum macroglossum*)

RN 858343-35-8 CAPLUS

CN 9H-Pyrido[3,4-b]indole-3-carboxamide, N-[2-(2-amino-4,5-dihydro-1H-imidazol-5-yl)ethyl]- (CA INDEX NAME)

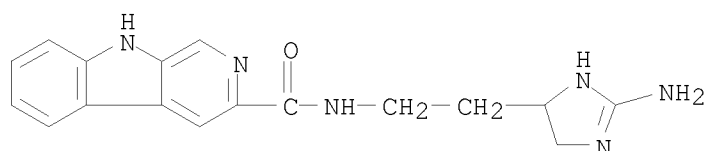
Currently available stereo shown.



IT 861390-41-2, (+)-Tiruchanduramine  
RL: RCT (Reactant); RACT (Reactant or reagent) (isolation and synthesis of a novel  $\beta$ -carboline guanidine derivative tiruchanduramine from the Indian ascidian *Synoicum macroglossum*)

RN 861390-41-2 CAPLUS

CN 9H-Pyrido[3,4-b]indole-3-carboxamide, N-[2-(2-amino-4,5-dihydro-1H-imidazol-5-yl)ethyl]-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

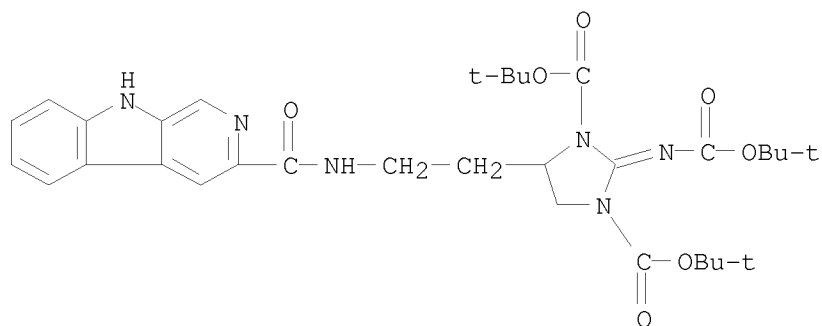
IT 861257-04-7P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(isolation and synthesis of a novel  $\beta$ -carboline guanidine derivative tiruchanduramine from the Indian ascidian *Synoicum macroglossum*)

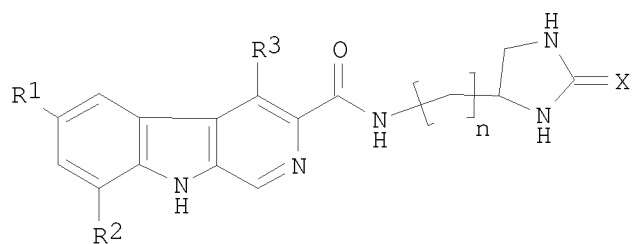
RN 861257-04-7 CAPLUS

CN 1,3-Imidazolidinedicarboxylic acid, 2-[[[(1,1-dimethylethoxy)carbonyl]imino]-4-[2-[(9H-pyrido[3,4-b]indol-3-ylcarbonyl)amino]ethyl]-, 1,3-bis(1,1-dimethylethyl) ester (CA INDEX NAME)



RE.CNT 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2008 ACS on STN  
GI



I

AB The invention relates to a process for the isolation of  $\beta$ -carboline guanidine alkaloid, tiruchenduramine I [R1-R3 = H, n = 2, X = NH] and its derivs., I [R1 = H, piperazine; R2, R3 = H; n = 2-6; X = NH, O], from the Indian ascidian Synoicum macroglossum. I are useful in the treatment of diabetic disorder by providing inhibition of  $\alpha$ -glucosidase.

AN 2005:612288 CAPLUS

DN 143:130287

TI Isolation of  $\beta$ -carboline derived guanidine alkaloid, tiruchenduramine and its derivatives from Indian ascidian Synoicum macroglossum and their use in the treatment of diabetic disorder

IN Venkateswarlu, Yenamandra; Ravinder, Kodela; Yadav, Jhillu Singh; Sarathkumar, Yandrapu; Ramakrishna, Sistla; Diwan, Prakash Vamanarao; Rao, Janapala Venkateswara; Ramesh, Ratnam; Laatsch, Hartmut

PA Council of Scientific and Industrial Research, India; Department of Ocean Development

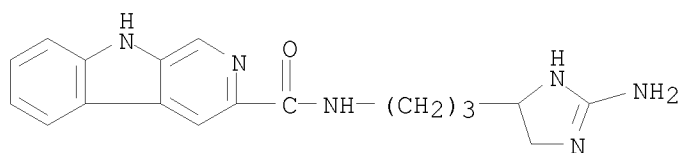
SO PCT Int. Appl., 21 pp.  
CODEN: PIXXD2

DT Patent

LA English

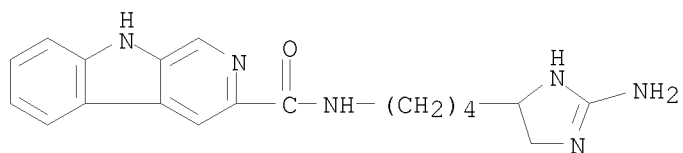
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005063748	A1	20050714	WO 2003-IN444	20031231
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003300701	A1	20050721	AU 2003-300701	20031231
US 20050222168	A1	20051006	US 2004-814777	20040330
			WO 2003-IN444	A 20031231
IT 857840-45-0P	857840-46-1P	857840-47-2P		
857840-48-3P	857840-49-4P	857840-50-7P		
857840-52-9P	857840-54-1P	857840-55-2P		
857840-56-3P	857840-57-4P	857840-59-6P		
857840-61-0P	857840-63-2P	857840-64-3P		
857840-65-4P	857840-66-5P	857840-67-6P		
857840-68-7P	858343-35-8P	Tiruchenduramine		
RL: IMF (Industrial manufacture); NPO (Natural product occurrence); PRP (Properties); PUR (Purification or recovery); THU (Therapeutic use); BIOL (Biological study); OCCU (Occurrence); PREP (Preparation); USES (Uses) (isolation of tiruchenduramine and its derivs. from Indian ascidian Synoicum macroglossum and their use in the treatment of diabetic disorder)				
RN 857840-45-0	CAPLUS			
CN 9H-Pyrido[3,4-b]indole-3-carboxamide, N-[3-(2-amino-4,5-dihydro-1H-imidazol-5-yl)propyl]-	(CA INDEX NAME)			



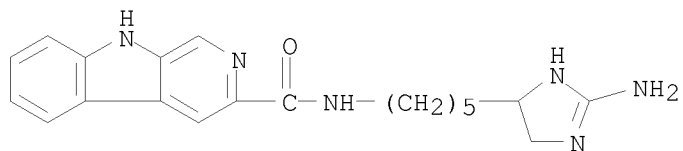
RN 857840-46-1 CAPLUS

CN 9H-Pyrido[3,4-b]indole-3-carboxamide, N-[4-(2-amino-4,5-dihydro-1H-imidazol-5-yl)butyl]- (CA INDEX NAME)



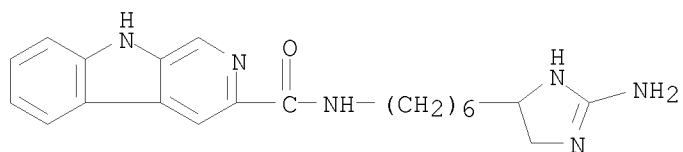
RN 857840-47-2 CAPLUS

CN 9H-Pyrido[3,4-b]indole-3-carboxamide, N-[5-(2-amino-4,5-dihydro-1H-imidazol-5-yl)pentyl]- (CA INDEX NAME)



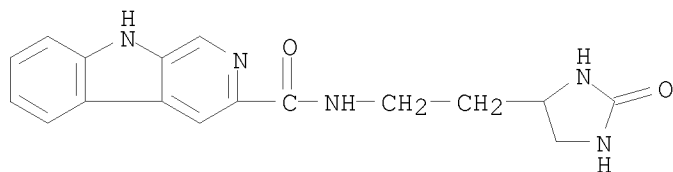
RN 857840-48-3 CAPLUS

CN 9H-Pyrido[3,4-b]indole-3-carboxamide, N-[6-(2-amino-4,5-dihydro-1H-imidazol-5-yl)hexyl]- (CA INDEX NAME)

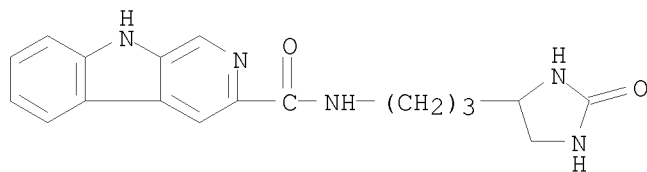


RN 857840-49-4 CAPLUS

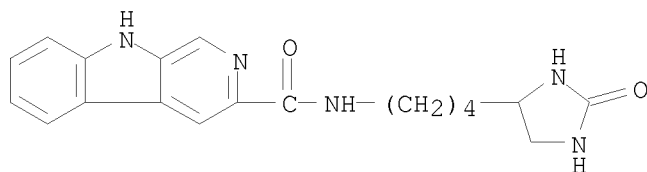
CN 9H-Pyrido[3,4-b]indole-3-carboxamide, N-[2-(2-oxo-4-imidazolidinyl)ethyl]- (CA INDEX NAME)



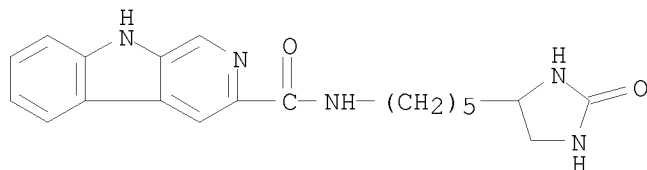
RN 857840-50-7 CAPLUS

CN 9H-Pyrido[3,4-b]indole-3-carboxamide, N-[3-(2-oxo-4-imidazolidinyl)propyl]-  
(CA INDEX NAME)

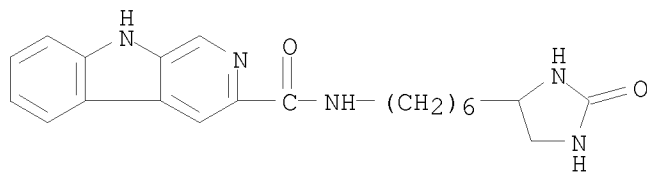
RN 857840-52-9 CAPLUS

CN 9H-Pyrido[3,4-b]indole-3-carboxamide, N-[4-(2-oxo-4-imidazolidinyl)butyl]-  
(CA INDEX NAME)

RN 857840-54-1 CAPLUS

CN 9H-Pyrido[3,4-b]indole-3-carboxamide, N-[5-(2-oxo-4-imidazolidinyl)pentyl]-  
(CA INDEX NAME)

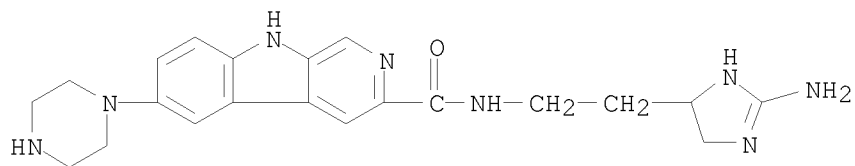
RN 857840-55-2 CAPLUS

CN 9H-Pyrido[3,4-b]indole-3-carboxamide, N-[6-(2-oxo-4-imidazolidinyl)hexyl]-  
(CA INDEX NAME)

RN 857840-56-3 CAPLUS

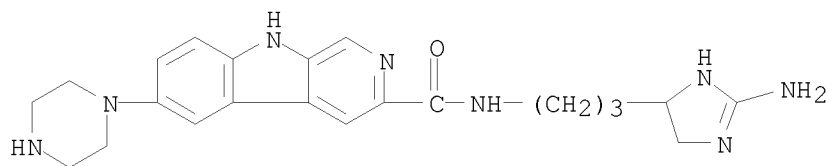
CN 9H-Pyrido[3,4-b]indole-3-carboxamide, N-[2-(2-amino-4,5-dihydro-1H-imidazol-5-yl)ethyl]-6-(1-piperazinyl)- (CA INDEX NAME)





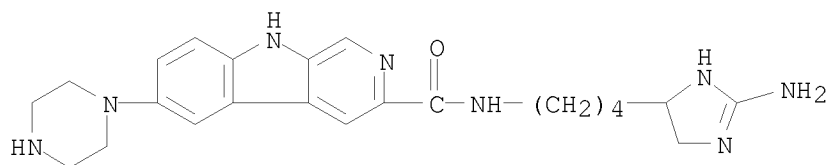
RN 857840-57-4 CAPLUS

CN 9H-Pyrido[3,4-b]indole-3-carboxamide, N-[3-(2-amino-4,5-dihydro-1H-imidazol-5-yl)propyl]-6-(1-piperazinyl)- (CA INDEX NAME)



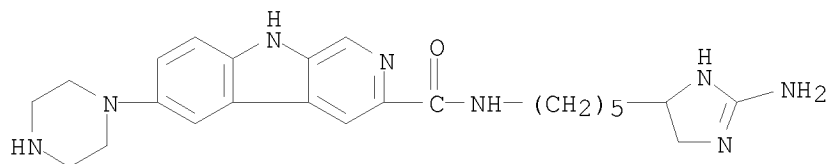
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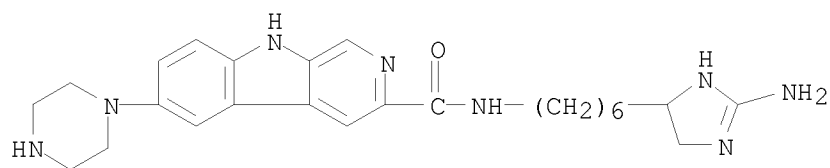
RN 857840-61-0 CAPLUS

CN 9H-Pyrido[3,4-b]indole-3-carboxamide, N-[5-(2-amino-4,5-dihydro-1H-imidazol-5-yl)pentyl]-6-(1-piperazinyl)- (CA INDEX NAME)



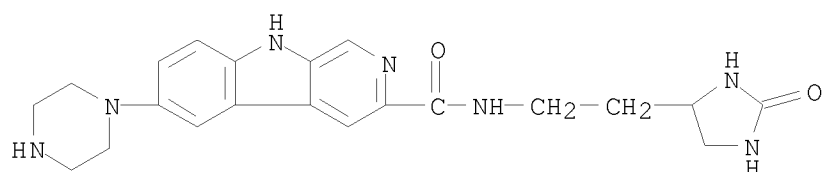
RN 857840-63-2 CAPLUS

CN 9H-Pyrido[3,4-b]indole-3-carboxamide, N-[6-(2-amino-4,5-dihydro-1H-imidazol-5-yl)hexyl]-6-(1-piperazinyl)- (CA INDEX NAME)



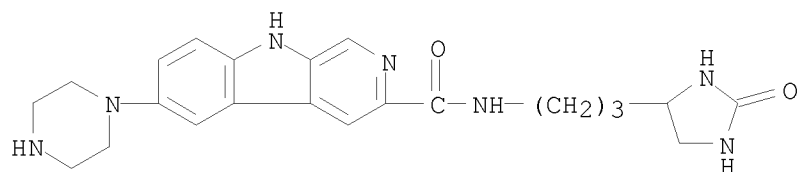
RN 857840-64-3 CAPLUS

CN 9H-Pyrido[3,4-b]indole-3-carboxamide, N-[2-(2-oxo-4-imidazolidinyl)ethyl]-6-(1-piperazinyl)- (CA INDEX NAME)



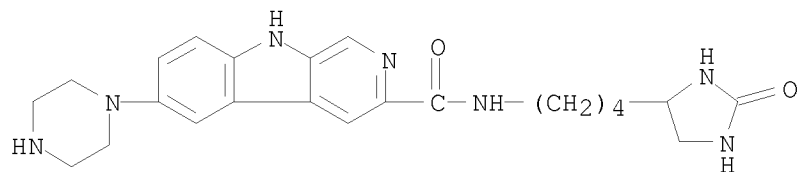
RN 857840-65-4 CAPLUS

CN 9H-Pyrido[3,4-b]indole-3-carboxamide, N-[3-(2-oxo-4-imidazolidinyl)propyl]-6-(1-piperazinyl)- (CA INDEX NAME)



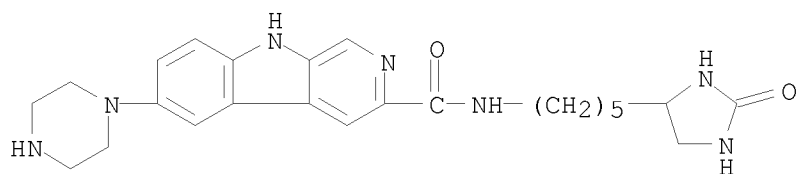
RN 857840-66-5 CAPLUS

CN 9H-Pyrido[3,4-b]indole-3-carboxamide, N-[4-(2-oxo-4-imidazolidinyl)butyl]-6-(1-piperazinyl)- (CA INDEX NAME)



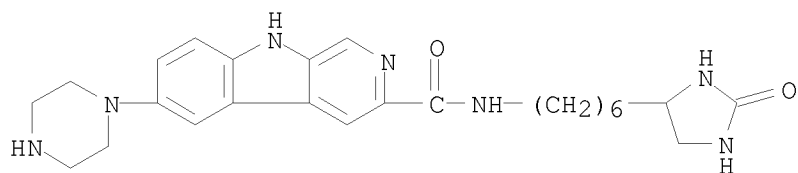
RN 857840-67-6 CAPLUS

CN 9H-Pyrido[3,4-b]indole-3-carboxamide, N-[5-(2-oxo-4-imidazolidinyl)pentyl]-6-(1-piperazinyl)- (CA INDEX NAME)



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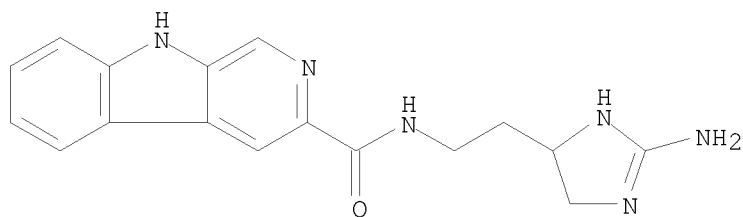
CN 9H-Pyrido[3,4-b]indole-3-carboxamide, N-[6-(2-oxo-4-imidazolidinyl)hexyl]-6-(1-piperazinyl)- (CA INDEX NAME)



RN 858343-35-8 CAPLUS

CN 9H-Pyrido[3,4-b]indole-3-carboxamide, N-[2-(2-amino-4,5-dihydro-1H-imidazol-5-yl)ethyl]- (CA INDEX NAME)

Currently available stereo shown.



RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT